

Title (en)

MULTIDENTATE PHOSPHITE LIGANDS, CATALYTIC COMPOSITIONS CONTAINING THEM AND THEIR USE IN HYDROCYANATION REACTIONS

Title (de)

MULTIDENTAT-PHOSPHIT-LIGANDEN, SIE ENTHALTENDE KATALYTISCHE ZUSAMMENSETZUNGEN UND IHRE VERWENDUNG IN HYDROCYANIERUNGSREAKTIONEN

Title (fr)

LIGANDS PHOSPHITES MULTIDENTES, COMPOSITIONS CATALYTIQUES CONTENANT LESDITS LIGANDS ET LEUR UTILISATION DANS DES PROCEDES DE HYDROCYANATION

Publication

EP 1214290 A1 20020619 (EN)

Application

EP 00965117 A 20000919

Priority

- US 0025548 W 20000919
- US 15472799 P 19990920

Abstract (en)

[origin: WO0121580A1] Multidentate phosphite ligands are disclosed for use in reactions such as hydrocyanation and isomerization. The catalyst compositions made therefrom and the various catalytic processes which employ such multidentate phosphite ligands are also disclosed. In particular, the ligands have heteroatom-containing substituents on the carbon attached to the ortho position of the terminal phenol group.

IPC 1-7

C07C 253/10; C07C 255/04; C07F 9/655; C07F 9/653; C07F 9/145; B01J 31/18

IPC 8 full level

B01J 31/16 (2006.01); **B01J 31/18** (2006.01); **B01J 31/22** (2006.01); **B01J 31/26** (2006.01); **C07B 61/00** (2006.01); **C07C 253/10** (2006.01); **C07C 253/30** (2006.01); **C07C 255/04** (2006.01); **C07C 255/07** (2006.01); **C07F 9/09** (2006.01); **C07F 9/145** (2006.01); **C07F 9/6527** (2006.01); **C07F 9/653** (2006.01); **C07F 9/655** (2006.01)

CPC (source: EP KR US)

B01J 31/1658 (2013.01 - EP US); **B01J 31/185** (2013.01 - EP US); **B01J 31/26** (2013.01 - EP US); **C07C 253/10** (2013.01 - EP KR US); **C07F 9/145** (2013.01 - EP US); **C07F 9/653** (2013.01 - EP US); **C07F 9/65515** (2013.01 - EP US); **C07F 9/6552** (2013.01 - EP US); **B01J 2231/323** (2013.01 - EP US); **B01J 2231/52** (2013.01 - EP US); **B01J 2531/0266** (2013.01 - EP US); **B01J 2531/80** (2013.01 - EP US); **B01J 2531/821** (2013.01 - EP US); **B01J 2531/822** (2013.01 - EP US); **B01J 2531/824** (2013.01 - EP US); **B01J 2531/827** (2013.01 - EP US); **B01J 2531/845** (2013.01 - EP US); **B01J 2531/847** (2013.01 - EP US)

Citation (search report)

See references of WO 0121580A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

WO 0121580 A1 20010329; BR 0014567 A 20020618; CA 2384328 A1 20010329; CN 100360496 C 20080109; CN 1374942 A 20021016; DE 60031697 D1 20061214; DE 60031697 T2 20071025; EP 1214290 A1 20020619; EP 1214290 B1 20061102; HK 1050188 A1 20030613; JP 2003509487 A 20030311; KR 100714323 B1 20070504; KR 20020033465 A 20020506; MY 134758 A 20071231; TW I236465 B 20050721; US 2003023110 A1 20030130; US 6812352 B2 20041102

DOCDB simple family (application)

US 0025548 W 20000919; BR 0014567 A 20000919; CA 2384328 A 20000919; CN 00813125 A 20000919; DE 60031697 T 20000919; EP 00965117 A 20000919; HK 03102409 A 20030403; JP 2001524960 A 20000919; KR 20027003628 A 20020319; MY PI20004346 A 20000919; TW 89119355 A 20000920; US 11855102 A 20020409